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CORRIGENDA

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Pages G109–G117: J. F. White, K. Burnup, and D. Ellingsen. "Effect of sugars and amino acids on amphibian intestinal Cl^- transport and intracellular Na^+, K^+, and Cl^- activity." *Page G109* (abstract, 20th line): the sentence that reads "Galactose and valine each reduced intracellular Na Activity (a^i_{Na}) markedly, whereas glucose increased a^i_{Na} only slightly" should read "Galactose and valine each increased intracellular Na activity (a^i_{Na}) markedly, whereas glucose increased a^i_{Na} only slightly."

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Pages G872–G884: R. A. Weisiger, S. Pond, and L. Bass. "Hepatic uptake of protein-bound ligands: extended sinusoidal perfusion model." *Page G879* (2nd column, 1st line): the sentence that reads "As for the standard model, the only fitted parameter was P_m (resulting value 0.248 ± 0.051 cm/s)" should read "As for the standard model, the only fitted parameter was P_m (resulting value 0.082 ± 0.004 cm/s)." The only effect of this error on the results and conclusions of this study is that the best-fit line in Fig. 3 is very slightly different in shape, with a correlation coefficient (r^2) that still exceeds 0.999. The corrected figure is provided below.

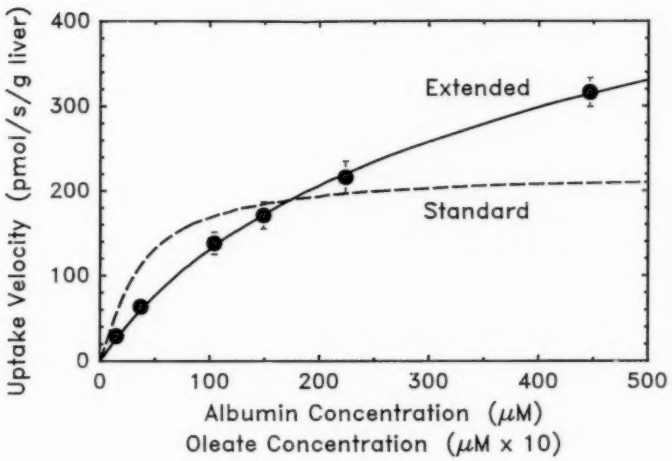

Fig. 3. Fit of standard and extended models to date for steady oleate uptake. Solid circles show mean oleate uptake velocity by the perfused rat liver for the current study. Oleate and albumin concentrations were varied at a fixed 1:10 molar ratio. Standard error bars are shown where they are larger than the symbols used. Solid line shows predictions of the extended sinusoidal perfusion model and broken line shows predictions of the standard (unextended) sinusoidal perfusion model. In both cases, P_m is treated as an unknown variable and all other parameter values are as in Table 1. For fitting, each point was weighted in inverse proportion to its magnitude.

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Pages H250–H257: A. Papparella, D. Berard, and B. S. Stonestreet. "Circulatory and metabolic effects of anemia in hyperinsulinemic ovine fetuses." *Page H252:* the unit of measure for oxygen content in Table 1 should be ml/dl. Therefore the corrected Table 1 should appear as follows.

Table 1. *Fetal arterial blood gas, hematocrit, oxygen saturation, oxygen content, whole blood viscosity, heart rate, and mean arterial blood pressure by study group*

	Insulin Infusion			Placebo Infusion		
	Baseline	Without anemia	With anemia	Baseline	Without anemia	With anemia
Time, h	−1	48	54	−1	48	54
pH	7.31 ± 0.01	7.30 ± 0.01	7.26 ± 0.01*†	7.32 ± 0.01	7.32 ± 0.01	7.25 ± 0.02*†
Pa_{O_2}, mmHg	21 ± 1	19 ± 1	16 ± 1*†	21 ± 1	20 ± 1	18 ± 1*†
Pa_{CO_2}, mmHg	60 ± 1	61 ± 2	63 ± 2	56 ± 1	56 ± 1	59 ± 1*†
Base excess, mmol/l	3.1 ± 0.8	2.7 ± 0.4	0.9 ± 0.7	2.5 ± 1.2	2.5 ± 0.4	−0.7 ± 1.2*†
Hematocrit, %	36.4 ± 1.8	36.2 ± 1.5	24.9 ± 0.5*†	35.8 ± 0.3	35.8 ± 0.9	24.4 ± 0.5*†
Oxygen saturation, %	50.8 ± 1.3	46.3 ± 2.6	33.7 ± 2.0*†	53.4 ± 2.3(4)	47.9 ± 2.5	36.1 ± 3.9*†
Oxygen content, ml/dl	6.7 ± 0.3	6.1 ± 0.4	2.7 ± 0.3*†	6.7 ± 0.3	5.5 ± 0.3*	2.7 ± 0.3*†
Whole blood viscosity, cP§	5.8 ± 0.4‡	4.6 ± 0.3*	3.3 ± 0.1*†	4.1 ± 0.2	5.1 ± 0.4	3.0 ± 0.1*†
Heart rate, beats/min	184 ± 8	193 ± 6	199 ± 10	163 ± 10	168 ± 9	183 ± 10
Mean arterial blood pressure, mmHg	44 ± 1	41 ± 1	41 ± 1	49 ± 2	49 ± 4	46 ± 4

Values are means ± SE; insulin-infused group number = 9 and placebo-infused group number = 5, unless otherwise designated in parentheses. Pa_{O_2}, arterial P_{O_2}; Pa_{CO_2}, arterial P_{CO_2}. *$P < 0.05$ vs. baseline; †$P < 0.05$ vs. insulin or placebo infusion period (48 h); ‡$P < 0.02$ vs. placebo group for the same study period; § shear rate of 45 s^{-1}.

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Volume 266, April 1994
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Pages H1502–H1511: W. L. Sexton, D. C. Poole, and O. Mathieu-Costello. "Microcirculatory structure-function relationships in skeletal muscle of diabetic rats." *Page H1508:* Figure 6 was inadvertently printed upside down and should appear as follows.

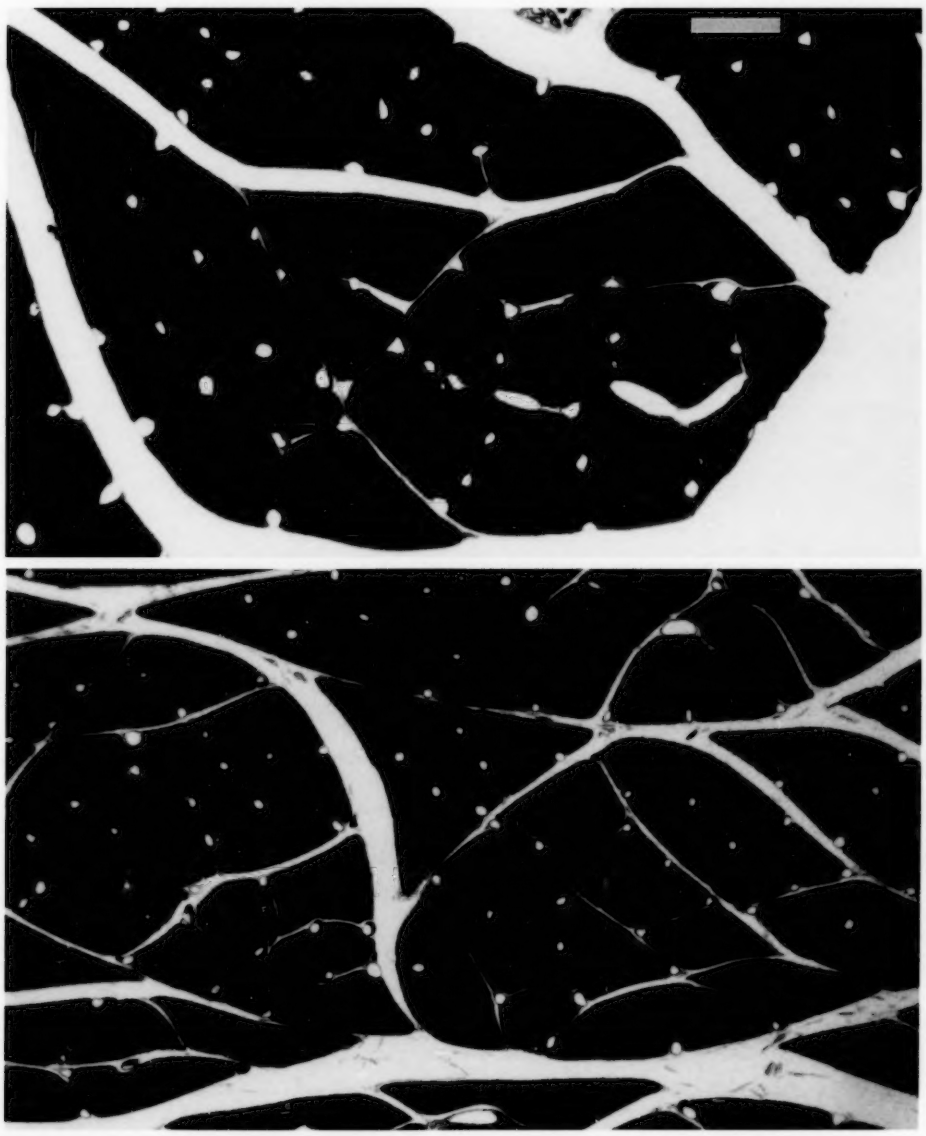

Fig. 6. Light micrographs of transverse sections of plantaris muscles from representative control (*top*) and diabetic (*bottom*) rats. Note that relative to control, plantaris muscle of this diabetic rat exhibits reduced muscle fiber cross-sectional area (control, 1,720 ± 111 μm^2; diabetic, 822 ± 44 μm^2), increased capillary density (control, 1,633 ± 81 mm^{-2}; diabetic, 1,946 ± 75 mm^{-2}), decreased capillary-to-fiber ratio (control, 2.25 ± 0.11; diabetic, 1.68 ± 0.05), and reduced capillary diameter (control, 5.3 ± 0.1 μm; diabetic, 3.3 ± 0.1 μm). Bar = 30 μm.

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KEY TO CATEGORIES: **1.** Comparative Physiology *Regulation and Integration in:* **2.** Autonomic Physiology; **3.** Behavior; **4.** Cardiovascular Physiology; **5.** Endocrinology; **6.** Energetics; **7.** Fluids and Electrolytes; **8.** Functional Morphology; **9.** Ingestion; **10.** Periodicity; **11.** Respiration; **12.** Temperature

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Pages R1262–R1269: T. S. Rosenkrantz, I. Knox, E. L. Zalneraitis, J. R. Raye, P. J. Porte, R. Cramer, R. Smoloski, and A. F. Philipps. "Cerebral metabolism and electrocortical activity in the chronically hyperglycemic lamb." *Page R1265:* Several errors relating to significance of changes in arterial oxygen concentration, cerebral oxygen delivery, and cerebral oxygen uptake were introduced into Table 1 by the publisher. All of the information in the abstract and text are correct as originally printed. A corrected version of the table is reprinted below. Note that there were no changes in the fetal arterial oxygen content during any of the study periods, cerebral oxygen delivery rose during G_2 ($P = 0.06$), and there was a significant increase in cerebral oxygen uptake during G_2 ($P < 0.05$). It is hoped that this clarifies conflicting information in the text and the table concerning the metabolic changes that occur in the brain of the chronically hyperglycemic fetal lamb.

Table 1. *Cerebral blood flow and substrate uptake before and during fetal hyperglycemia*

	C_1	C_2	G_1	G_2
Cerebral blood flow, ml·100 g^{-1}·min^{-1}		210±39	280±50	460±120†
Oxygen				
Concentration, ml/100 ml	6.7±0.8	6.5±0.8	6.1±0.7	5.3±0.7
Delivery, ml·100 g^{-1}·min^{-1}		13.6±2.0	17.0±1.6	24.2±4.6*
Extraction, %		30.8±2.4	31.6±3.9	29.6±1.6
Uptake, ml·100 g^{-1}·min^{-1}		4.2±0.7	5.4±0.6	7.2±1.3†
Glucose				
Concentration, mg/100 ml	18.6±2.4	19.8±2.0	48.4±4.5†	54.6±6.6[b]
Delivery, mg·100 g^{-1}·min^{-1}		44.1±10.4	146.3±39.6	276.9±100.6[a]
Extraction, %		16.6±4.3	5.4±0.9§	4.1±0.5§
Uptake, mg·100 g^{-1}·min^{-1}		5.5±1.1	6.6±1.5	11.5±2.7†
G/O_2	1.19±0.19	1.02±0.17	1.01±0.18	1.19±0.21
Lactate				
Concentration, mM	2.04±0.43	1.94±0.29	2.50±0.41	2.93±0.67†
Delivery, mM·100 g^{-1}·min^{-1}		0.44±0.13	0.86±0.22	1.72±0.65‡
Extraction, %		0.3±3.2	−1.0±3.8	8.3±3.4
Uptake, μM·100 g^{-1}·min^{-1}		−9.85±15.52	4.93±37.03	100.81±52.99
L/O_2	0.00±0.01	−0.00±0.02	0.05±0.09	0.09±0.03
β-Hydroxybutyrate				
Concentration, mM	0.23±0.03	0.21±0.03	0.24±0.07	0.14±0.06
Delivery, mM·100 g^{-1}·min^{-1}		0.04±0.02	0.08±0.02	0.16±0.11
Extraction, %		0.9±31	17.4±11.1	19.9±16.4
Uptake, μM·100 g^{-1}·min^{-1}		−1.01±1.89	13.77±9.55	38.69±38.48
$BHOH/O_2$	0.00±0.00	−0.00±0.01	0.03±0.02	0.06±0.06

Values are means ± SE. C_1, *control period 1*; C_2, *control period 2*; G_1, 24-h glucose infusion period; G_2, 48-h glucose infusion period; G/O_2, fetal cerebral glucose-oxygen quotient; L/O_2, fetal cerebral lactate-oxygen quotient; $BHOH/O_2$, fetal cerebral β-hydroxybutyrate-oxygen quotient. * $P = 0.06$; † $P < 0.05$; ‡ $P < 0.03$; § $P < 0.02$; [a] $P < 0.01$; [b] $P < 0.001$.

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Pages F660–F669: J. E. Benabe, S. Wang, J. N. Wilcox, and M. Martinez-Maldonado. "Modulation of ANG II receptor and its mRNA in normal rat by low-protein feeding." Page F662, Table 1: for the third group (NP), the value for renal vascular resistance is incorrect and should be 9 ± 1 dyn·s·cm^{-5}; also for the NP group, the plasma renin activity is incorrectly expressed as a negative value and should be 10.1 ± 1.3 ng·ml^{-1}·h^{-1}.

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